

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/14/2018 03/14/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	<b>5</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_ST0011_01_s_2013_5				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>6</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_ST0011_01_s_2013_6				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response materials.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/14/2018 03/14/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_ST0011_01_s _ 2013_7				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a written flood response plan and regular flood response training.					

No Photos

LM Start	0.02	Rating **	M	Issue No.	12
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.758965 °	38.750542 °	
			-121.667295 °	-121.661516 °	
DWR ID	DWR_ST0011_01_s _ 2018_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.02	Rating **	M	Issue No.	11
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.758965 °	38.750054 °	
			-121.667294 °	-121.661221 °	
DWR ID	DWR_ST0011_01_s _ 2018_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 West Levee	Right	2.73	03/14/2018 03/14/2018	Zach Jojola

LM Start	1.03	Rating **	M	Issue No.	15
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.746543 °	38.724176 °
				-121.660251 °	-121.665164 °
DWR ID	DWR_ST0011_01_s _ 2018_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.03	Rating **	M	Issue No.	16
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.746542 °	38.724176 °
				-121.660252 °	-121.665164 °
DWR ID	DWR_ST0011_01_s _ 2018_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/14/2018 03/14/2018	Zach Jojola

LM Start	1.27	Rating **	M	Issue No.	17
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.743079 °	38.743079 °
				-121.660257 °	-121.660257 °
DWR ID	DWR_ST0011_01_s_2018_17				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Cut tree branches and limbs on the landside slope.					

Photo 1 of 1 : SP\_2018\_ST0011\_291\_17\_20180315\_00016.jpg



View of cut tree on landside slope. Spring 2018.

LM Start	2.44	Rating **	C	Issue No.	14
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.726038 °	38.726038 °
				-121.660486 °	-121.660486 °
DWR ID	DWR_ST0011_01_f_2017_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrow hole at waterside levee toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/14/2018 03/14/2018	Zach Jojola

LM Start	2.53	Rating **	M	Issue No.	2
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.725505 °	38.724385 °
				-121.662041 °	-121.664564 °
DWR ID	DWR_ST0011_01_s_2016_2				
Comment Code					
Inspector Comment					
2006 - Slow wave wash and general fluvial erosion of the toe area under river cobbles. Erosion is creating a scarp and cobble covered wave-cut bench. 2011 - Site appears better than it looked in 2006, but still eroding. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-6_R]					

No Photos

LM Start	2.63	Rating **	A/W	Issue No.	18
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.724824 °	38.724824 °
				-121.663702 °	-121.663702 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:52501 DS_ID:17742 EP_NO: 10284 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Screw gates where removed and pipe was abanded by farmer, How pipe was abanded is unknown. FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)]. FS Date: 11/16/2017 1:59:55 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_52501\_60304.jpg



Waterside view: overview (pipe not found)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/14/2018 03/14/2018	Zach Jojola

LM Start	2.63	Rating **	A/W	Issue No.	18 (cont)
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.724824 °	38.724824 °
				-121.663702 °	-121.663702 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:52501  
DS\_ID:17742  
EP\_NO: 10284  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: Screw gates were removed and pipe was abandoned by farmer, How pipe was abandoned is unknown.  
FIELD\_STRUCT\_DESC: 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borda and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)].  
FS Date: 11/16/2017 1:59:55 PM

LM Start	<b>2.63</b>	Rating **	A/W	Issue No.	<b>18 (cont)</b>
LM End	<b>2.63</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_52501\_60303.jpg



Landside view: concrete spillbox/headwall and pipe (top view)

Photo 3 of 3 : UCIP\_SP\_2018\_52501\_60302.jpg



Landside view: side of concrete spillbox/headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/14/2018 03/14/2018	Zach Jojola

LM Start	2.64	Rating **	A/W	Issue No.	19 (cont)	
LM End	2.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.724811 °	38.724811 °	
				-121.663736 °	-121.663736 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52502 DS_ID:17747 EP_NO: 10284 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: No slide gate found. slide gates and pipes were abandon by farmer, how unknown FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)]. FS Date: 11/16/2017 2:01:58 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_52502\_60307.jpg



Landside view: CM pipe with flap gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	03/06/2018 03/06/2018	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	6
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.718993 °	38.698737 °
				-121.664099 °	-121.674146 °
DWR ID	DWR_ST0011_02_s_2018_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0011\_292\_6\_20180308\_00012.jpg



View of vegetation on the waterside slope. Spring 2018.

LM Start	0.00	Rating **	M	Issue No.	4
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.718993 °	38.698736 °
				-121.664099 °	-121.674146 °
DWR ID	DWR_ST0011_02_s_2018_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0011\_292\_4\_20180308\_00013.jpg



View of vegetation on the landside slope. Spring 2018.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	03/06/2018 03/06/2018	Zach Jojola

LM Start	<b>0.23</b>	Rating **	C	Issue No.	<b>1</b>
LM End	<b>0.25</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.715815 °	38.715595 °	
			-121.665344 °	-121.665432 °	
DWR ID	DWR_ST0011_02_f_2017_1				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:251 Site Designation:LMA-59 Repair Type: Stability Rating:Area of Concern Field Date:6/2/2017 Notes: vertical cut on waterside access ramp slope about 2.5ft high, waterside berm 30'.					

No Photos

LM Start	<b>0.44</b>	Rating **	C	Issue No.	<b>2</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.713081 °	38.712895 °	
			-121.666869 °	-121.667035 °	
DWR ID	DWR_ST0011_02_f_2017_2				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:252 Site Designation:LMA-60 Repair Type: Stability Rating:Area of Concern Field Date:6/2/2017 Notes: vertical cut on waterside access ramp slope about 3ft high, waterside berm 30'.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	03/06/2018 03/06/2018	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	4
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698541 °	38.677231 °
				-121.674119 °	-121.672803 °
DWR ID	DWR_ST0011_03_s_2018_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0011\_293\_4\_20180308\_00011.jpg



View of vegetation on the landside slope. Spring 2018.

LM Start	0.00	Rating **	M	Issue No.	5
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698541 °	38.677231 °
				-121.674118 °	-121.672803 °
DWR ID	DWR_ST0011_03_s_2018_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_ST0011\_293\_5\_20180308\_00010.jpg



View of vegetation on the waterside slope. Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	03/06/2018 03/06/2018	Zach Jojola

LM Start	<b>0.50</b>	Rating **	C	Issue No.	<b>2</b>
LM End	<b>0.53</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.691341 °	38.690973 °	
			-121.673241 °	-121.673475 °	
DWR ID	DWR_ST0011_03_f_2017_2				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:253 Site Designation:LMA-61 Repair Type: Erosion Rating:Area of Concern Field Date:6/2/2017 Notes: WS access ramp slope erosion. No threat to the levee; ramp erosion beyond WS levee toe.					

No Photos

LM Start	<b>0.53</b>	Rating **	C	Issue No.	<b>3</b>
LM End	<b>0.71</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.690973 °	38.688302 °	
			-121.673475 °	-121.673608 °	
DWR ID	DWR_ST0011_03_f_2017_3				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:254 Site Designation:LMA-62 Repair Type: Erosion Rating:Area of Concern Field Date:6/2/2017 Notes: minor erosion at toe of levee					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>0.55</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.574313 °	38.566359 °	
			-121.638762 °	-121.638892 °	
DWR ID	DWR_ST0011_04_s _ 2018_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>0.55</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.574313 °	38.566359 °	
			-121.638762 °	-121.638891 °	
DWR ID	DWR_ST0011_04_s _ 2018_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	0.60	Rating **	A/W	Issue No.	28	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.565704 °		38.565704 °
				-121.638650 °		-121.638650 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44826 DS_ID:528 EP_NO: 10304 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. (30-inch pipe [HLM 0.59] authorized under Automatic Board Order (ABO) issued as Permit No. 10304, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 120, June 1952, (Station 446+08)]. FS Date: 4/28/2015 2:58:55 PM						

Photo 1 of 3 : UCIP\_SP\_2018\_44826\_60517.jpg



Landside view: concrete headwall.

LM Start	<b>0.60</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_44826\_60516.jpg



Landside view: closer look at the headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	0.60	Rating **	A/W	Issue No.	28 (cont)	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.565704 °		38.565704 °
				-121.638650 °		-121.638650 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44826 DS_ID:528 EP_NO: 10304 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. (30-inch pipe [HLM 0.59] authorized under Automatic Board Order (ABO) issued as Permit No. 10304, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 120, June 1952, (Station 446+08)]. FS Date: 4/28/2015 2:58:55 PM						

Photo 3 of 3 : UCIP\_SP\_2018\_44826\_60520.jpg



Landside view: overview

LM Start	0.63	Rating **	M	Issue No.	21
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.565345 °	38.563753 °
				-121.638450 °	-121.638362 °
DWR ID	DWR_ST0011_04_s_2018_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	0.63	Rating **	M	Issue No.	23
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.565345 °	38.563753 °
				-121.638450 °	-121.638362 °
DWR ID	DWR_ST0011_04_s_2018_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.68	Rating **	C	Issue No.	12
LM End	0.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.564543 °	38.564403 °
				-121.638355 °	-121.638359 °
DWR ID	DWR_ST0011_04_f_2016_12				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Depression within crown on paved section of levee.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	0.77	Rating **	C	Issue No.	15
LM End	0.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.563289 °	38.563157 °
				-121.638367 °	-121.638344 °
DWR ID	DWR_ST0011_04_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:205					
Site Designation:ST11-U4-02					
Repair Type: Erosion					
Rating:Serious					
Field Date:6/5/2017					
Notes: LS levee slope failure -starts at mid slope, about 5.6' vertical drop, and mass extends 9' beyond levee toe, 26' wide asphalt road at toe, damaged erosion control fabrics noted. Site repaired as of the date of this inspection.					

No Photos

LM Start	0.77	Rating **	M	Issue No.	24
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.563260 °	38.523695 °
				-121.638331 °	-121.631450 °
DWR ID	DWR_ST0011_04_s_2018_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	27
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.561257 °	38.523695 °
				-121.638177 °	-121.631450 °
DWR ID	DWR_ST0011_04_s_2018_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.10	Rating **	A/W	Issue No.	35
LM End	2.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.545646 °	38.545646 °
				-121.631172 °	-121.631172 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44822 DS_ID:17736 EP_NO: 10306 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Farmer cleans this screw gate every year FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 21.5 feet below the crown. 42-inch steel pipe inside the 48-inch pipe. Flap gate on the waterside (WS) with two cutoff walls, one headwall, and one saddle and apron. (48-inch pipe [HLM 2.12] authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation). [Additional Reference(s): USACE Sacramento O&M Manual 119, December 1952, (Station 80+00)]. FS Date: 4/28/2015 2:57:49 PM					

Photo 1 of 3 : UCIP\_SP\_2018\_44822\_24980.jpg



Landside view: 42-inch steel pipe inside a 48-inch CMP

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	2.10	Rating **	A/W	Issue No.	35 (cont)
LM End	2.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.545646 °	38.545646 °
				-121.631172 °	-121.631172 °
DWR ID					

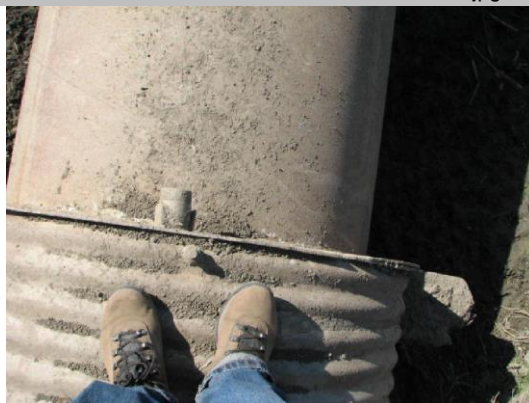
**Comment Code**

**Inspector Comment**

FS\_ID:44822  
DS\_ID:17736  
EP\_NO: 10306  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: Farmer cleans this screw gate every year  
FIELD\_STRUCT\_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 21.5 feet below the crown. 42-inch steel pipe inside the 48-inch pipe. Flap gate on the waterside (WS) with two cutoff walls, one headwall, and one saddle and apron. (48-inch pipe [HLM 2.12] authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation).  
[Additional Reference(s): USACE Sacramento O&M Manual 119, December 1952, (Station 80+00)].  
FS Date: 4/28/2015 2:57:49 PM

LM Start	<b>2.10</b>	Rating **	A/W	Issue No.	<b>35 (cont)</b>
LM End	<b>2.10</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_44822\_24979.jpg



Landside view: closer look at 42-inch steel pipe and 48-inch CMP

Photo 3 of 3 : UCIP\_SP\_2018\_44822\_24978.jpg



Landside view: closer look at 42-inch steel pipe and 48-inch CMP

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	2.11	Rating **	A/W	Issue No.	19
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.545430 °	38.545430 °
				-121.631211 °	-121.631211 °
DWR ID	DWR_ST0011_04_f_2016_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
It appears that the ditch is beginning to erode the landside levee toe, but is not within the levee prism. Recommend monitoring.					

Photo 1 of 2 : SP\_2018\_ST0011\_294\_19\_20180306\_00015.jpg



View of erosion on landside levee slope. Fall 2016.

LM Start	<b>2.11</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>2.11</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2018\_ST0011\_294\_19\_20180306\_00016.jpg



Closer view of erosion. Fall 2016.

LM Start	2.14	Rating **	A/W	Issue No.	17
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.545022 °	38.545022 °
				-121.631209 °	-121.631209 °
DWR ID	DWR_ST0011_04_f_2016_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
It appears that the ditch is beginning to erode the landside levee toe, but is not within the levee prism. Recommend monitoring.					

Photo 1 of 2 : SP\_2018\_ST0011\_294\_17\_20180306\_00010.jpg



View of erosion at landside levee toe. Fall 2016.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	2.14	Rating **	A/W	Issue No.	17 (cont)	
LM End	2.14	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.545022 °		38.545022 °
				-121.631209 °		-121.631209 °
DWR ID	DWR_ST0011_04_f_2016_17					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
It appears that the ditch is beginning to erode the landside levee toe, but is not within the levee prism. Recommend monitoring.						

Photo 2 of 2 : SP\_2018\_ST0011\_294\_17\_20180306\_00011.jpg



Closer view of erosion. Fall 2016.

LM Start	2.61	Rating **	C	Issue No.	22
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.538117 °	38.538117 °
				-121.631293 °	-121.631293 °
DWR ID	DWR_ST0011_04_f_2017_22				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
50' crack on landside hinge point.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/13/2018 04/13/2018	Zach Jojola

LM Start	2.76	Rating **	C	Issue No.	18	
LM End	2.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.535980°	38.535037°	
				-121.631430°	-121.631416°	
DWR ID	DWR_ST0011_04_f_2017_18					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:204						
Site Designation:ST11-U4-01						
Repair Type: Erosion						
Rating:Critical						
Field Date:6/5/2017						
Notes: riparian scrub						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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